

## **ABSTRACT**

A method and apparatus for controlling a gap between conductors in an electro-mechanical device by controlled displacement of a displaceable conductor within the electro-mechanical device is provided. The apparatus includes a current  
5 controller configured to generate a controlled current output for the electro-mechanical device in response to a control signal, the current controller selectively routing a voltage to an array element including control circuitry and the electro-mechanical device.